IN THE CLAIMS:

Please amend 20 and 43 as set forth in the complete listing of the claims and their status that follows:

1. (original) A method for passivating stainless steel after acid pickling treatment in the absence of nitric acid, the method comprising the steps of:

cleaning the pickled stainless steel with an alkaline composition to obtain cleaned steel;

activating the cleaned steel with an activator composition to obtain activated steel, the activator composition containing at least one activator, the activator having a significantly higher binding affinity for iron than for chromium; and

passivating the activated steel with a passivating composition in the absence of nitric acid.

- 2. (original) The method of claim 1, wherein the activator is an organic chelating compound.
- 3. (original) The method of claim 2, wherein the activator is a carboxylic acid.
- 4. (original) The method of claim 3, wherein the activator is one of oxalic acid, tartaric acid, gluconic acid, citric acid, malic acid, and mixtures thereof.
- 5. (original) The method of claim 4, wherein the activator is present in the activator composition in an amount from about 5 g/L to about 25 g/L.
- 6. (original) The method of claim 5, wherein the activator is present in the activator composition in an amount of about 20 g/L.

- 7. (original) The method of claim 3, wherein the activator composition has a pH of at least 10.
- 8. (original) The method of claim 7, wherein the activator composition has a pH between 10 to about 11.
 - 9. (original) The method of claim 1, wherein the activator is inorganic.
- 10. (original) The method of claim 9, wherein the activator includes fluoride.
 - 11. (original) The method of claim 10, wherein the activator is fluoride.
- 12. (original) The method of claim 11, wherein the activator composition further includes phosphoric acid.
- 13. (original) The method of claim 11, wherein the activator is present in the activator composition in an amount from about 5 g/L to about 15 g/L.
- 14. (original) The method of claim 13, wherein the activator is present in the activator composition in an amount of about 10 g/L.
- 15. (original) The method of claim 11, wherein the activator composition has a pH between about 1.5 and about 3.
- 16. (original) The method of claim 11, wherein the activator composition has a pH of about 2.5.

- 17. (original) The method of claim 10, wherein the activator composition further includes an organic acid.
- 18. (original) The method of claim 17, wherein the organic acid is oxalic acid.
- 19. (original) The method of claim 1, wherein the passivating composition has a pH of about 2 and contains phosphoric acid, fluoride, iron and hydrogen peroxide.
- 20. (currently amended) The method of claim 1, wherein the passivating composition includes <u>soluble</u> molybdenum.
- 21. (original) The method of claim 20, wherein the activator is an organic chelator compound.
- 22. (original) The method of claim 21, wherein the activator is a carboxylic acid.
- 23. (original) The method of claim 22, wherein the activator is one of oxalic acid, tartaric acid, gluconic acid, citric acid and malic acid.
- 24. (original) The method of claim 23, wherein the activator is present in the activator composition in an amount from about 5 g/L to about 25 g/L.
- 25. (original) The method of claim 24, wherein the activator is present in the activator composition in an amount of about 20 g/L.
- 26. (original) The method of claim 22, wherein the activator composition has a pH of at least 10.

- 27. (original) The method of claim 26, wherein the activator composition has a pH between 10 to about 11.
 - 28. (original) The method of claim 20, wherein the activator is inorganic.
 - 29. (original) The method of claim 20, wherein the activator is fluoride.
- 30. (original) The method of claim 29, wherein the activator composition further includes phosphoric acid.
- 31. (original) The method of claim 29, wherein the activator is present in the activator composition in an amount from about 5 g/L to about 15 g/L.
- 32. (original) The method of claim 31, wherein the activator is present in the activator composition in an amount of about 10 g/L.
- 33. (original) The method of claim 29, wherein the activator composition has a pH between about 1.5 and about 3.
- 34. (original) The method of claim 33, wherein the activator composition has a pH of about 2.5.
- 35. (original) The method of claim 20, wherein the activator composition further includes an organic acid.
- 36. (original) The method of claim 35, wherein the organic acid is oxalic acid.
- 37. (original) The method of claim 20, wherein the passivating solution has a pH of about 2 and contains phosphoric acid, fluoride, iron and hydrogen peroxide.

- 38. (original) The method of claim 1, wherein the activator has higher complex formation constants for iron than for chromium.
- 39. (original) A method for pickling and passivating steel, the method comprising the steps of:

pickling the steel by contacting the steel with a non-nitric acid based pickling treatment to produce pickled steel;

cleaning the pickled steel with an alkaline cleaning solution to obtain cleaned steel;

activating the cleaned steel with an activator composition to obtain activated steel, the activator composition containing at least one activator; and passivating the activated steel by contacting the activated steel with a non-nitric acid based passivating composition.

- 40. (original) The method of claim 39, wherein the steel is stainless steel.
- 41. (original) The method of claim 39, wherein the activator has a high binding affinity for iron.
- 42. (original) The method of claim 41, wherein the activator has a low binding affinity for chromium.
- 43. (currently amended) The method of claim 39, wherein the passivating composition includes <u>soluble</u> molybdenum.